

*California Department of Transportation
Division of Maintenance*

Structure Maintenance and Investigations

B_{RIDGE}

I_{NSPECTION}

R_{ECORDS}

I_{NFORMATION}

S_{YSTEM}

The requested documents have been generated by BIRIS.

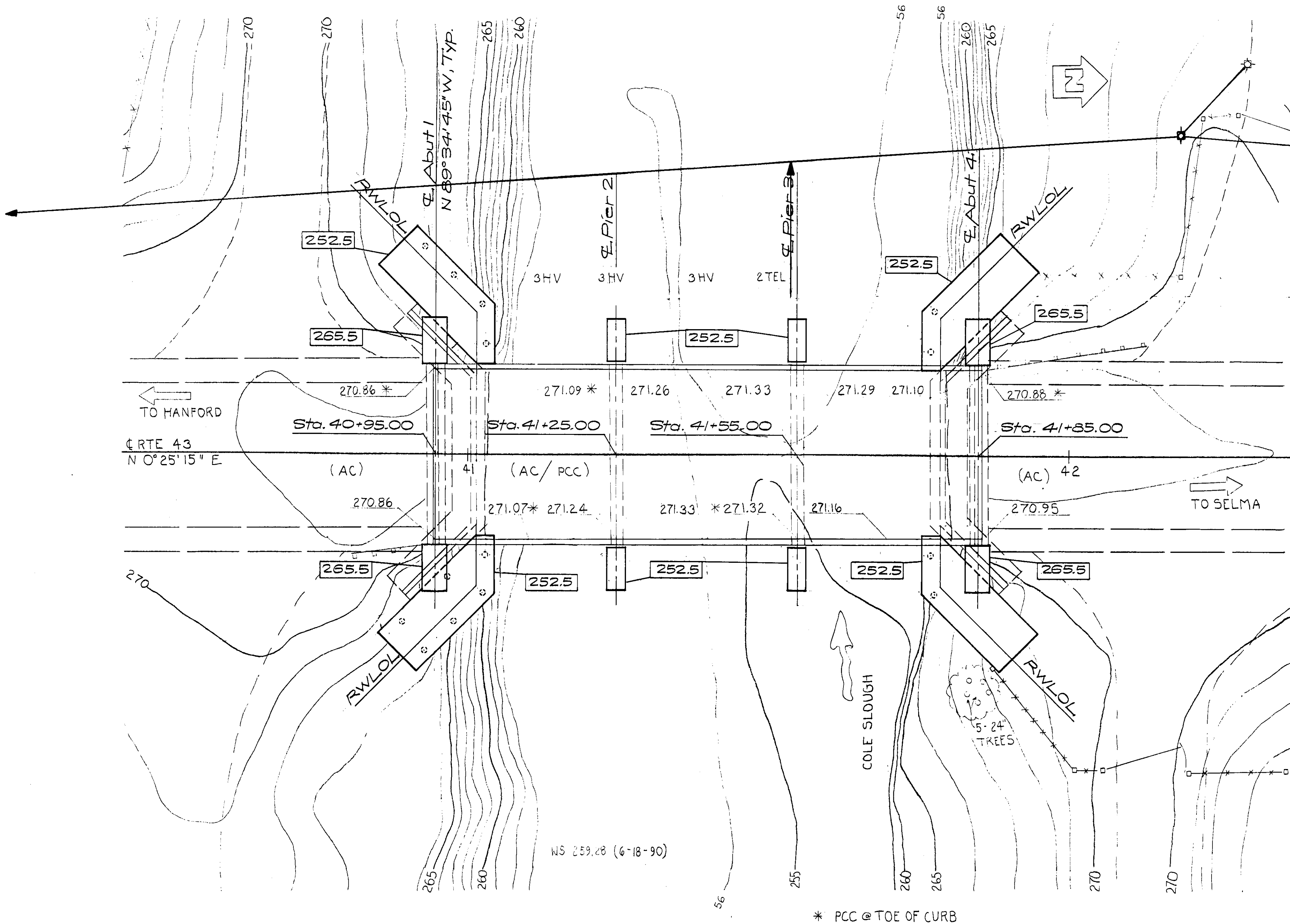
These documents are the property of the California Department of Transportation and should be handled in accordance with Deputy Directive 55 and the State Administrative Manual.

Records for “Confidential” bridges may only be released outside the Department of Transportation upon execution of a confidentiality agreement.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	43	0.0/8.3	45	50
3-11-91			PLANS APPROVAL DATE		

REGISTERED ENGINEER-CIVIL

Ken Kwong
No. 34942
Exp. 9-30-91
CIVIL
STATE OF CALIFORNIA



Notes:
[252.5] - Denotes bottom of ftg. elev.
All piles not shown.
Overhead power lines to be relocated prior to construction.

NO AS BUILT
CORRECTIONS BY HATNG WALKER
CONTRACT NO. 06-343551
DATE 1-21-92
NO AS BUILT CHANGE

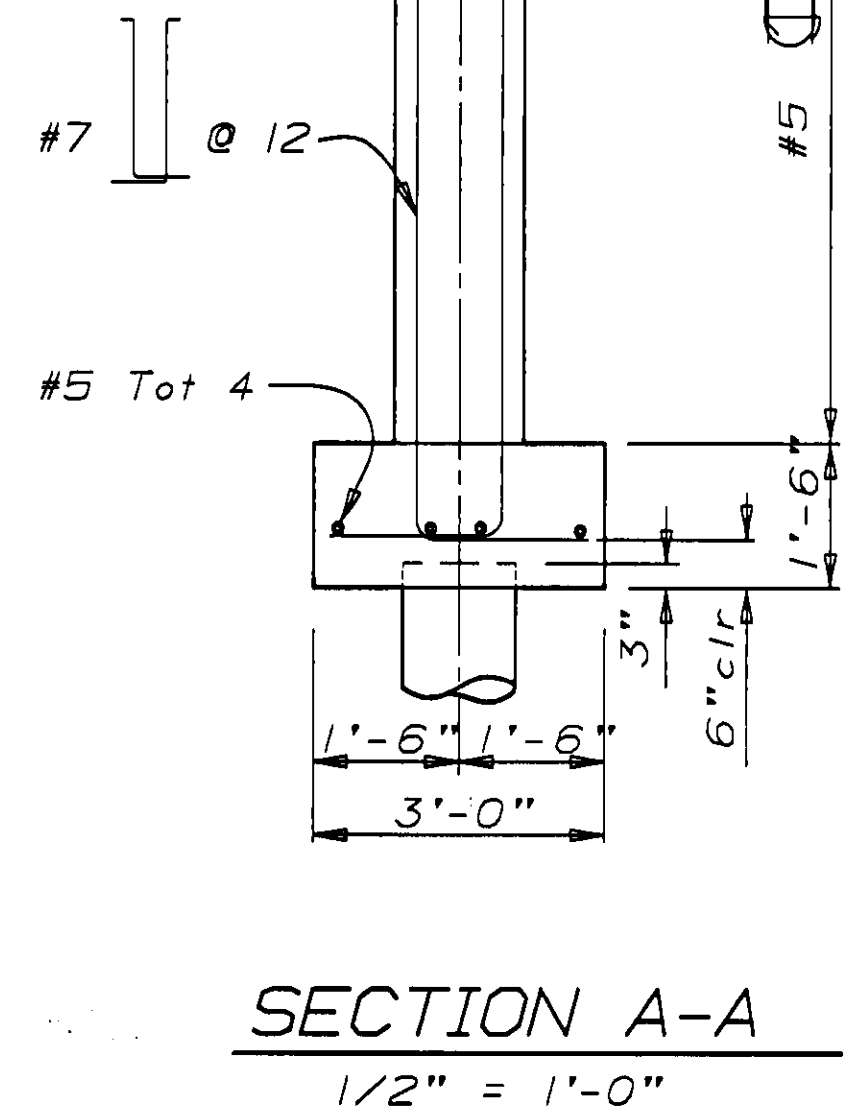
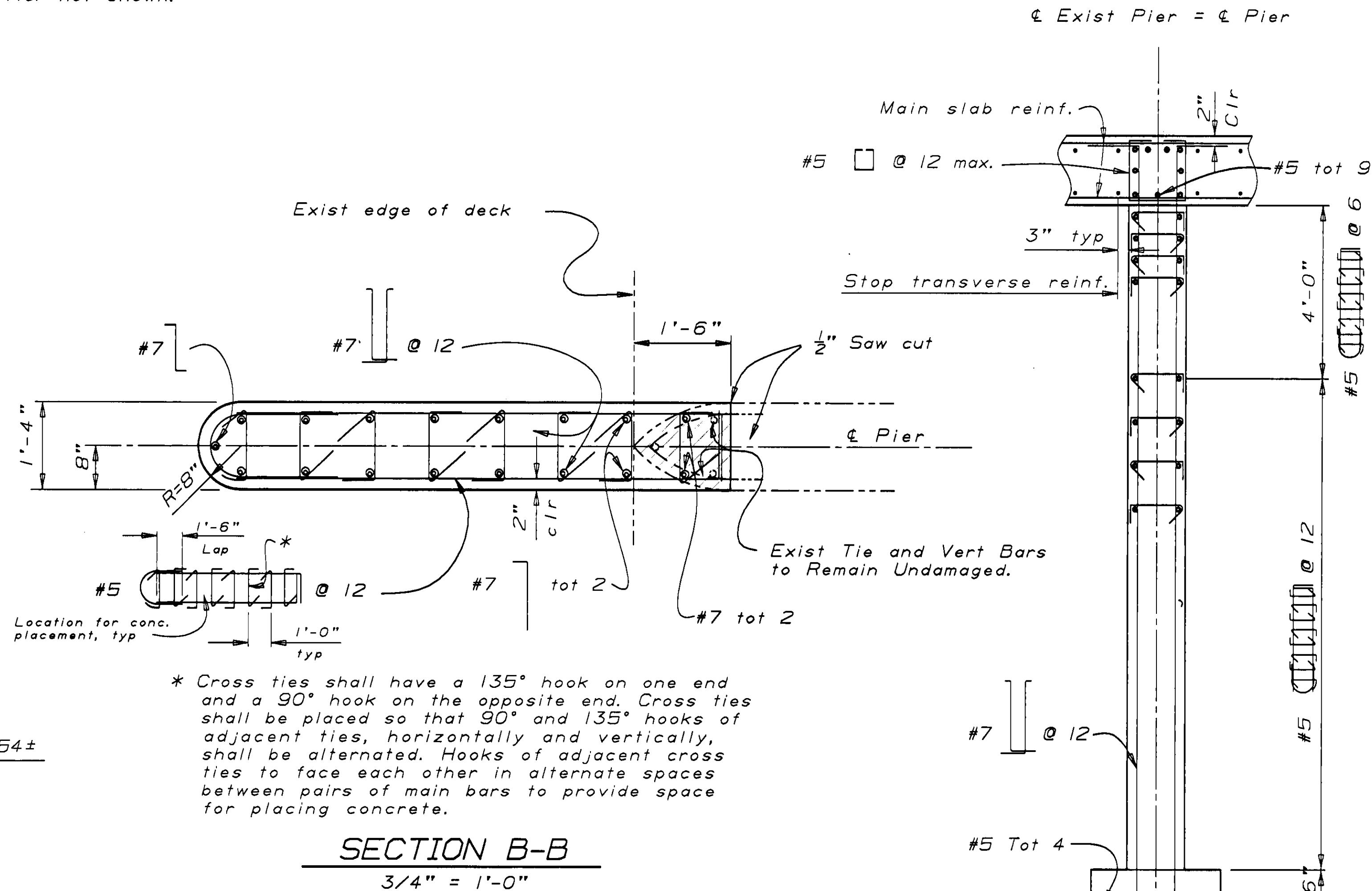
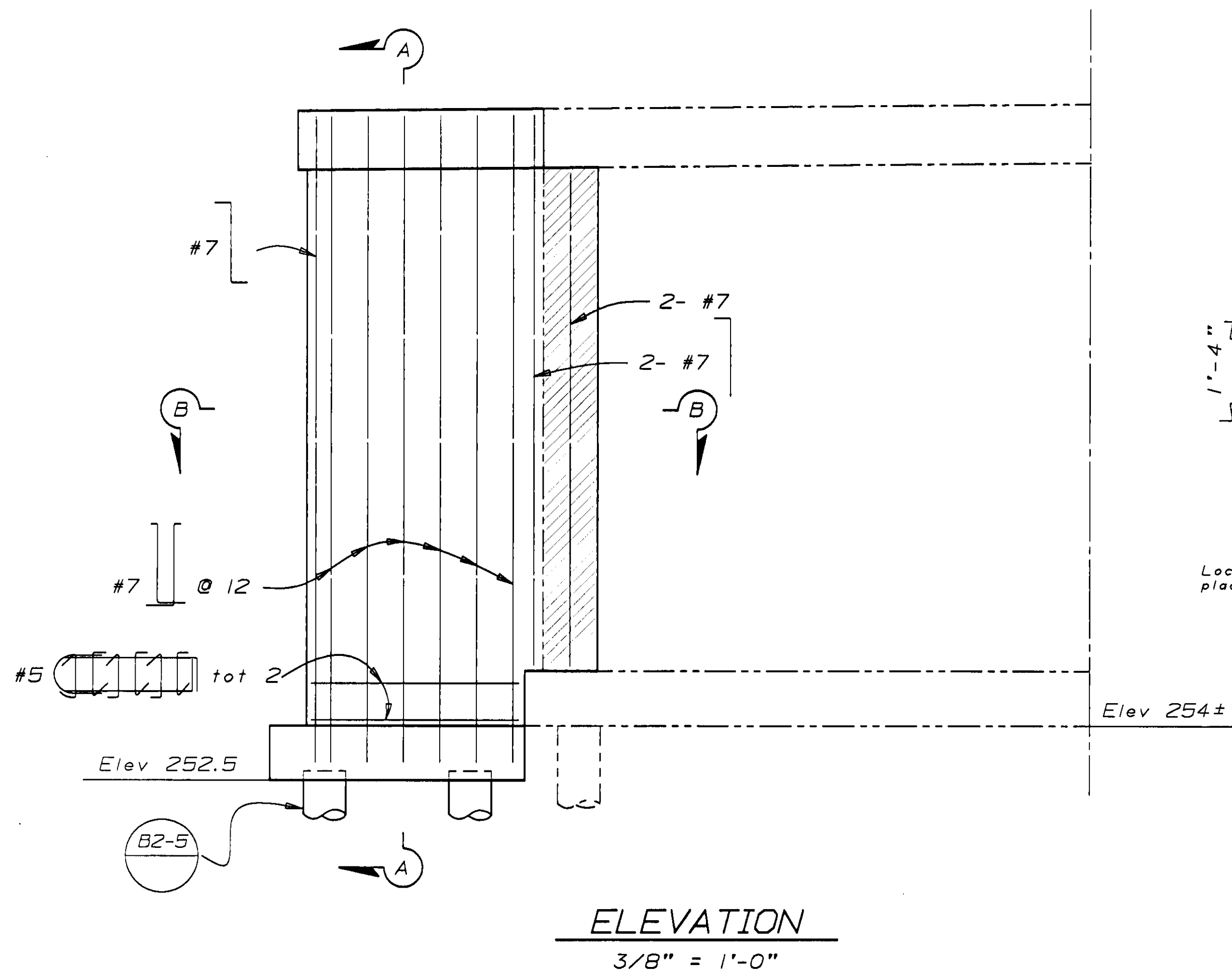
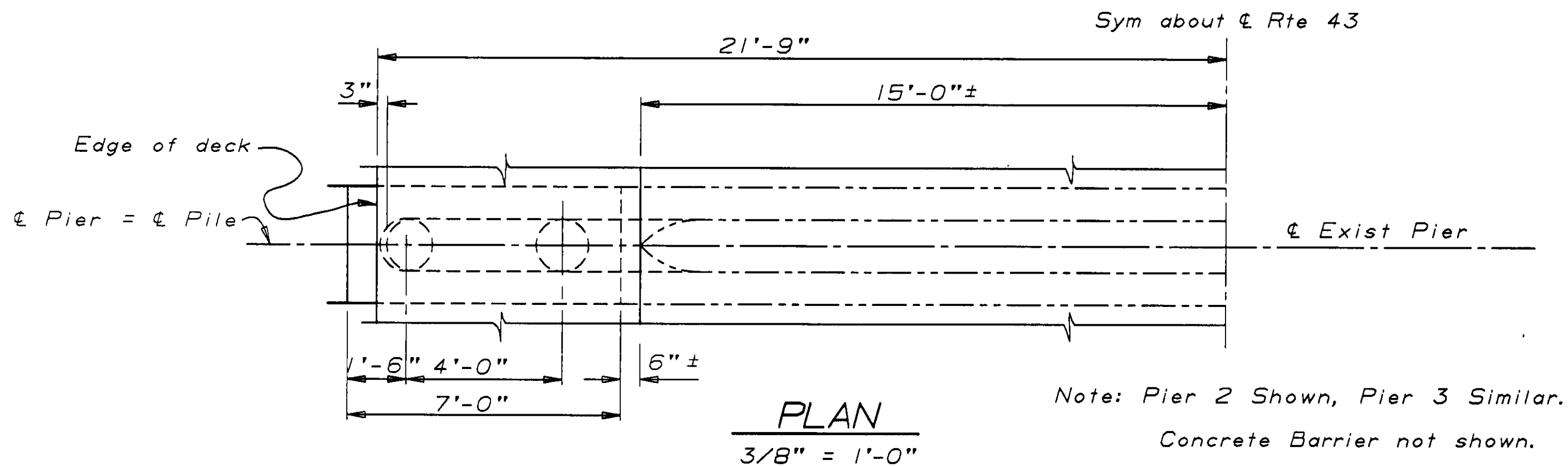
HYDROLOGIC SUMMARY			
DRAINAGE AREA :		* * SQUARE MILES	
FREQUENCY (YEARS)	DESIGN FLOOD	BASE FLOOD	OVERTOPPING FLOOD
	50	100	NA
	DISCHARGE (CUBIC FEET PER SECOND)	3300	3900
	WATER SURFACE (ELEVATION AT BRIDGE)	268.0	269.7

FLOOD PLAIN DATA ARE BASED UPON INFORMATION AVAILABLE WHEN THE PLANS WERE PREPARED AND ARE SHOWN TO MEET FEDERAL REQUIREMENTS. THE ACCURACY OF SAID INFORMATION IS NOT WARRANTED BY THE STATE AND INTERESTED OR AFFECTED PARTIES SHOULD MAKE THEIR OWN INVESTIGATION.

** SEE HYDROGRAPHIC SUMMARY

PR-4281-1

PRELIMINARY INVESTIGATION SECTION				DESIGN	BY D. Dunrud	CHECKED Ken Kwong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN	BRIDGE NO.	42-81	COLE SLOUGH (WIDEN) FOUNDATION PLAN	
SCALE	1" = 10'	DATUM	AS BUILTS	PHOTOGRAMMETRY	AS OF 7/90	DRAWN			BY MLM	POST MILE		0.8
ALIGNMENT TIES	AS BUILTS	SURVEYED	BY DISTRICT	TRACED	BY MLM	7/90			CHECKED	BY R.K. Wong		
DS OSD 2145 (4/89)	89 5339	FIELD CHECKED	BY T.R.	CHECKED	BY RJB	8-90			QUANTITIES	BY D. Dunrud		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS								CU 06250 EA 343551	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET 2 OF 7



AS BUILT

CORRECTIONS BY WAYNE WALKER

CONTRACT NO. 06-343554

DATE 1-21-12

NO AS BUILT CHANGES

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS BEFORE
ORDERING OR FABRICATING ANY MATERIAL

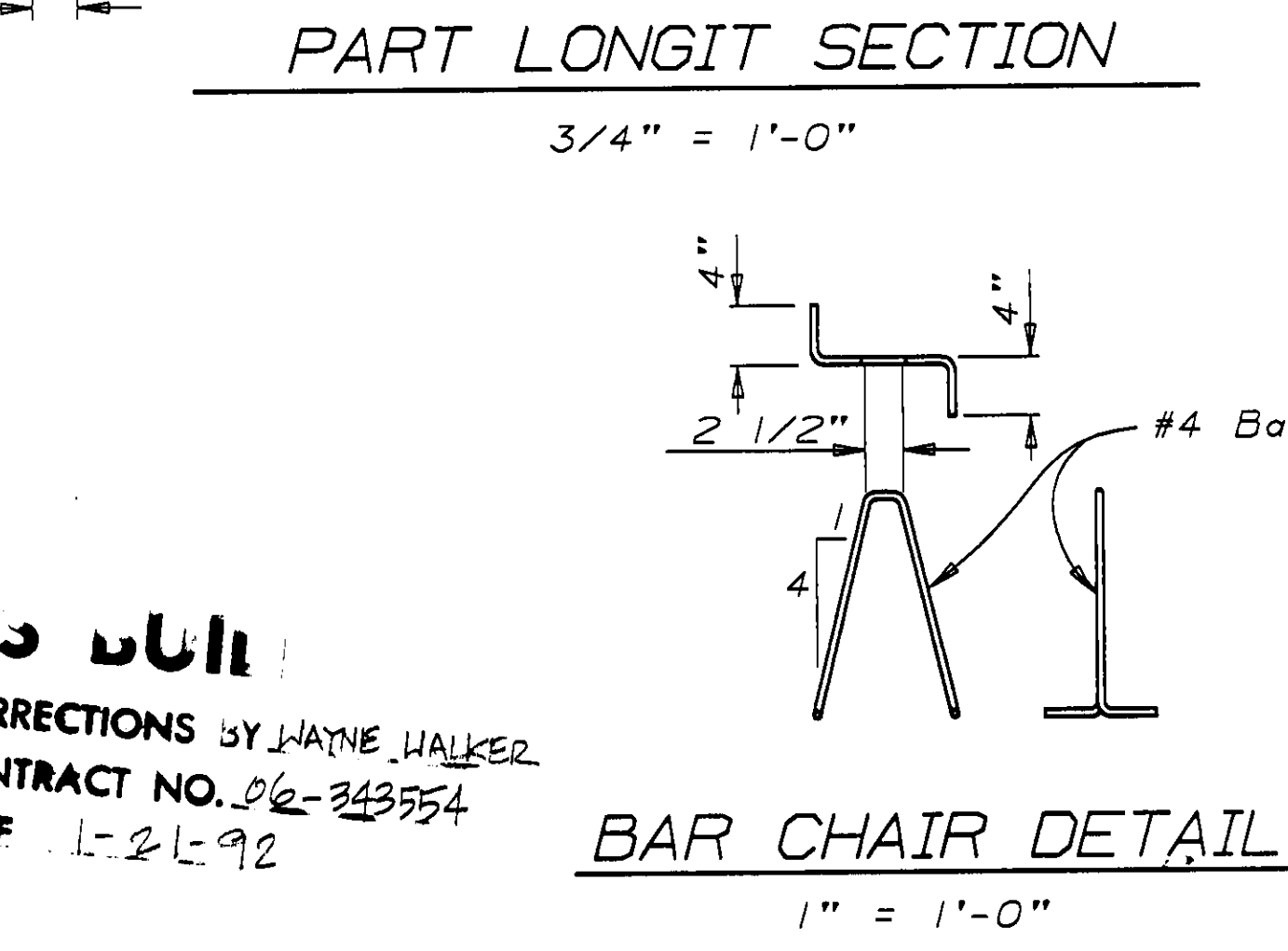
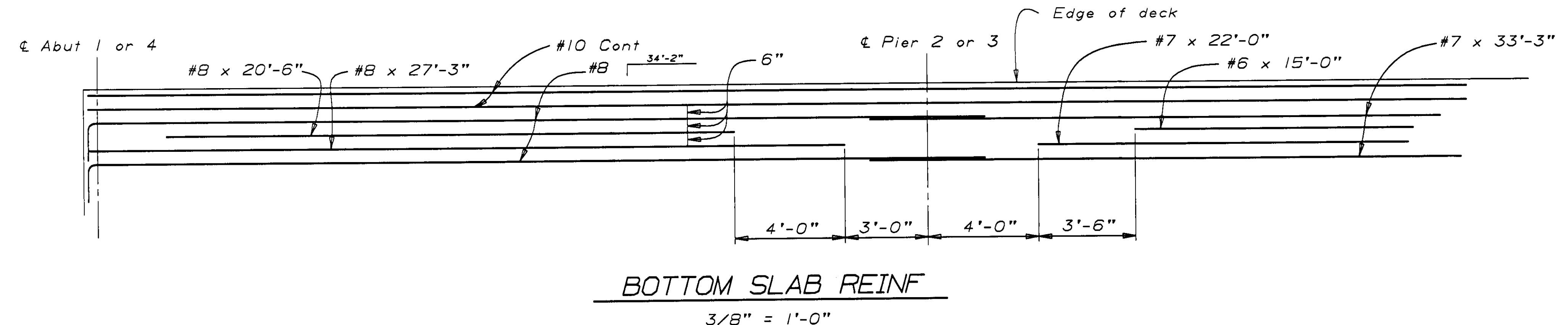
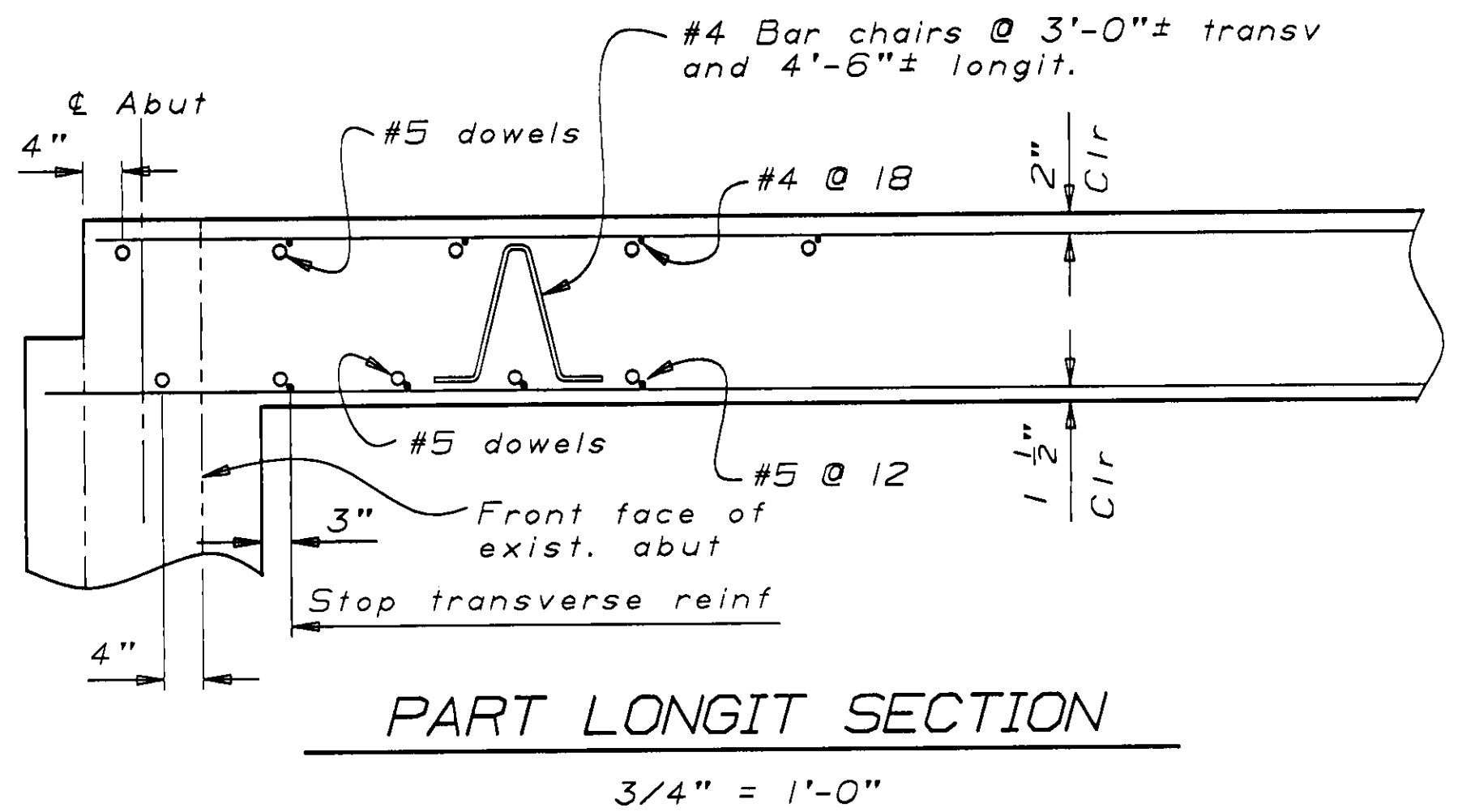
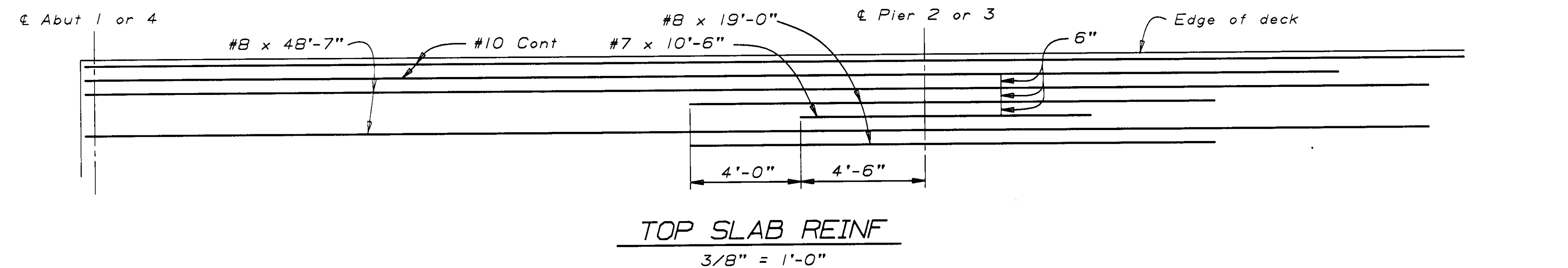
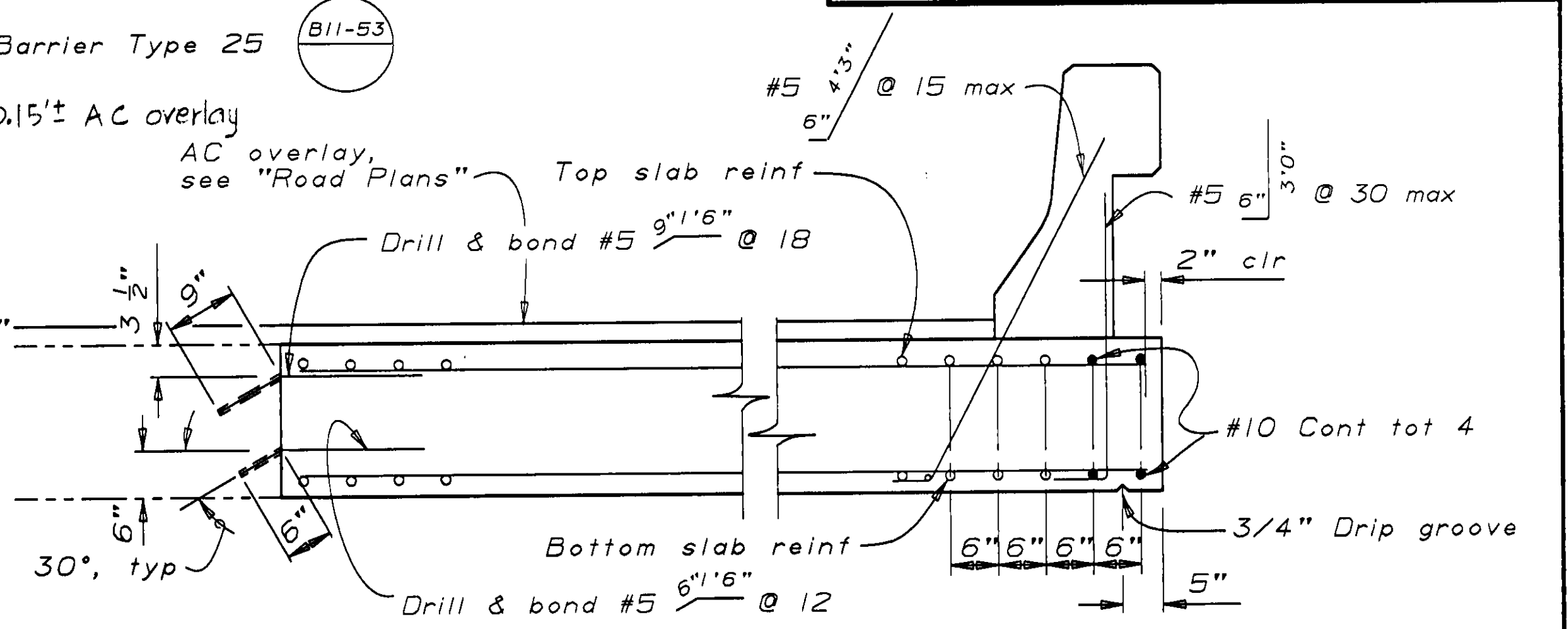
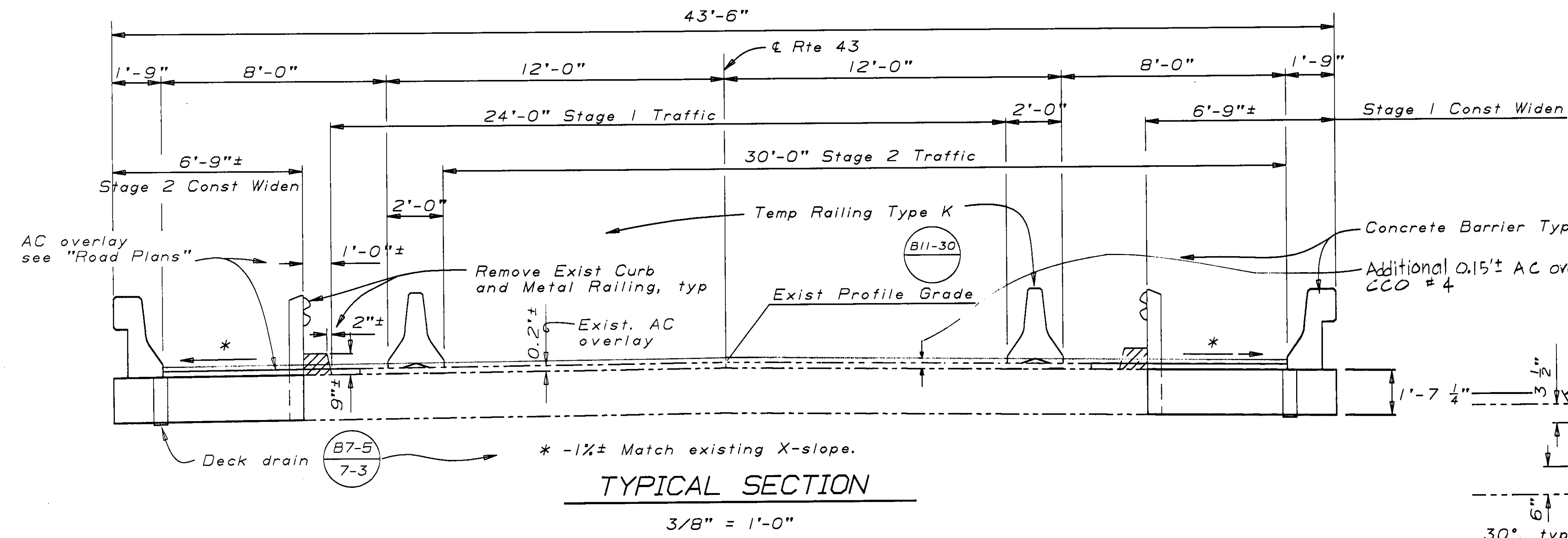
DESIGN	D. Dunrud	CHECKED Ken Kwong
DETAILS	Fred Uyeno 10-90	CHECKED Ken Kwong
QUANTITIES	D. Dunrud	CHECKED T. Cullinan

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN **12**

BRIDGE NO.
42-81
POST MILE
0.8

COLE SLOUGH BRIDGE (WIDEN)
PIER DETAILS



NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS BEFORE
ORDERING OR FABRICATING ANY MATERIAL

AS BUILT
CORRECTIONS BY WAYNE WALKER
CONTRACT NO. 06-343554
DATE 1-2-92

DESIGN	BY D. Dunrud	CHECKED Ken Kwong
DETAILS	BY Fred Uyeno 9-90	CHECKED Ken Kwong
QUANTITIES	BY D. Dunrud	CHECKED F. Cullinan

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 12

BRIDGE NO.
42-81
POST MILE
0.8
COLE SLOUGH BRIDGE (WIDEN)
TYPICAL SECTION

GENERAL NOTES LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS
(1983 AASHTO with Interims and Revisions by CALTRANS)

DEAD LOAD: Includes 35 psf for future wearing surface.

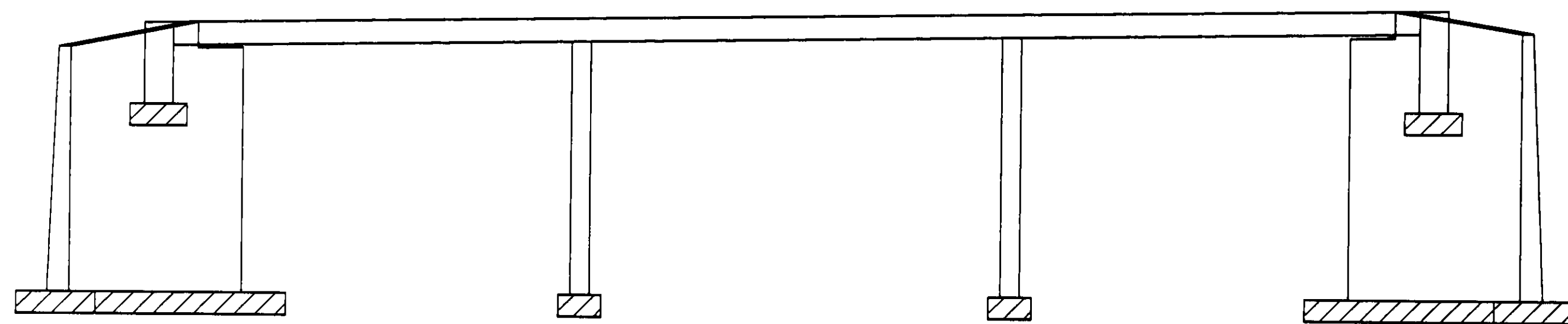
LIVE LOADING: HS20-44 and alternative and permit design load.


REINFORCED CONCRETE:


f_y	=	60,000 psi
f'_c	=	3,250 psi
n	=	9

Transverse deck slab (Working Stress Design)

FOOTING PRESSURE (TONS PER SF)	ALLOWABLE	DESIGN
Abut 1	2.0	1.7
Abut 4	2.0	1.7



 Structural Concrete, Bridge

 Structural Concrete, Bridge Footing

CONCRETE STRENGTH AND TYPE LIMITS

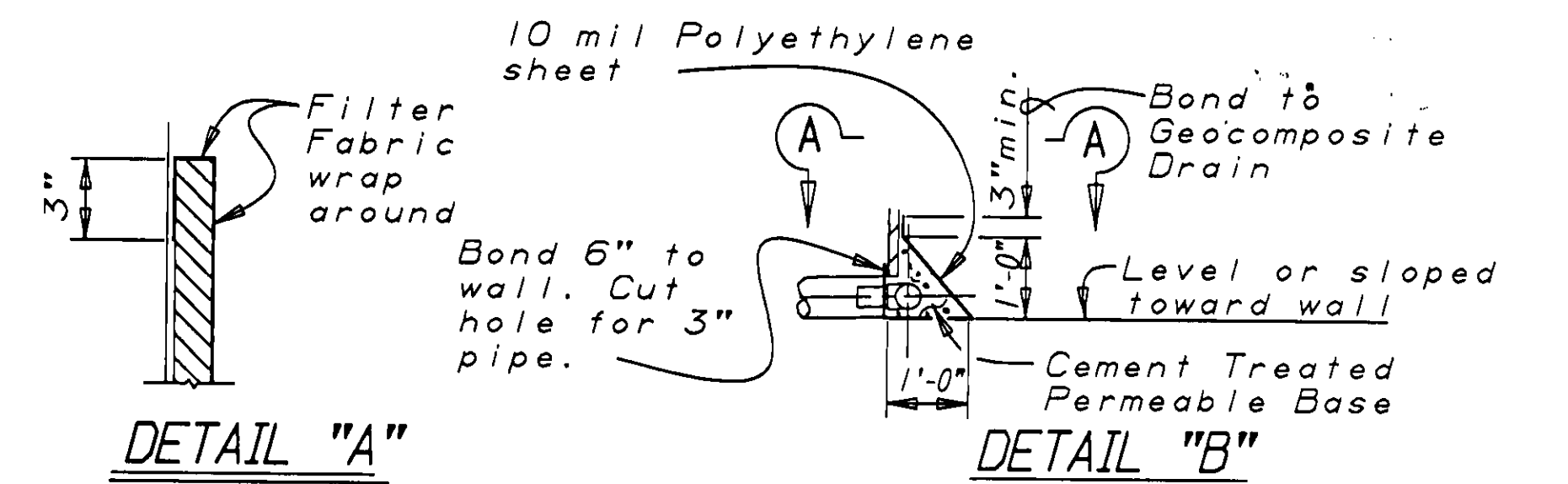
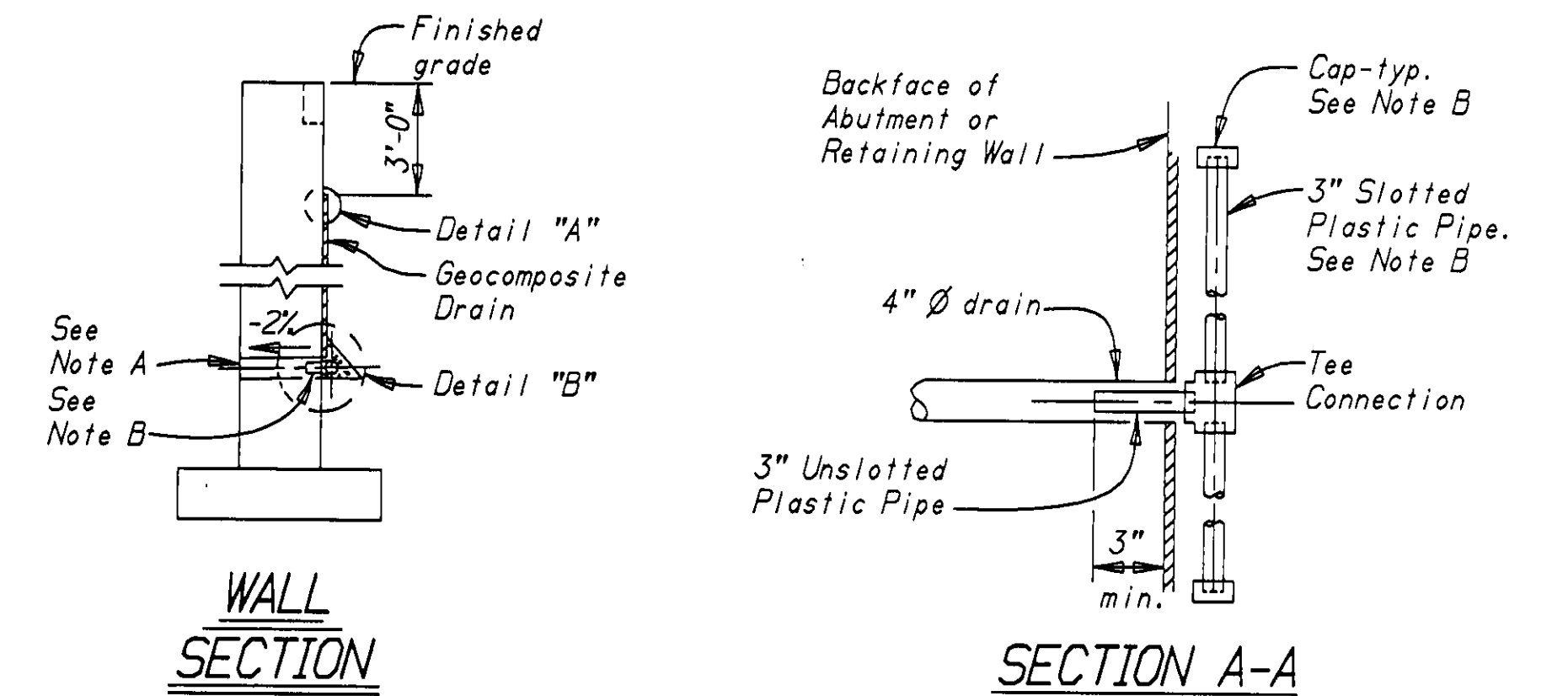
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	43	0.0/8.3	49	50

Ken Kwong
 REGISTERED ENGINEER - CIVIL

3-11-91

PLANS APPROVAL DATE _____

REGISTERED PROFESSIONAL ENGINEER
 Ken Kwong
 No. 34942
 Exp. 9-30-91
 CIVIL
 STATE OF CALIFORNIA



WEEP HOLE AND GEOCOMPOSITE DRAIN

ALTERNATIVE TO BRIDGE DETAIL $\frac{80-3}{3-1}$ - ALT. NOT USED

Notes: A. 4" Ø drains at intermediate sag points and at 25' max. center to center (9' c-c for Type 3 and 9'-3" c-c for Type 4 retaining walls). For walls adjacent to sidewalks or curbs, provide 4" cast iron or asbestos cement pipe under the sidewalk to discharge through curb face. Exposed wall drains shall be located 3" ± above finished grade.

B. Geocomposite drain, cement treated permeable base, and 3" Ø slotted plastic pipe continuous behind retaining wall or abutment. Cap ends of pipe. Provide "Tee" connection at each 4" Ø drain.

C. Connect the low end of plastic pipe to the main outlet pipe as applicable.

AS BUILT
CORRECTIONS BY WAYNE WALKER
CONTRACT NO. CG-343554
DATE 1-21-92

DESIGN	BY <i>D. Dunrud</i>	CHECKED <i>Ken Kwong</i>
DETAILS	BY <i>R. K. Wong</i> <i>10-90</i>	CHECKED <i>Ken Kwong</i>
QUANTITIES	BY <i>D. Dunrud</i>	CHECKED <i>F. Cullinan</i>

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 12

BRIDGE NO.
42-81
POST MILE
0.8

COLE SLOUGH BRIDGE (WIDEN)
MISCELLANEOUS DETAILS

DS OSD 2139 (CADD 4/89)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 06
EA 343551

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

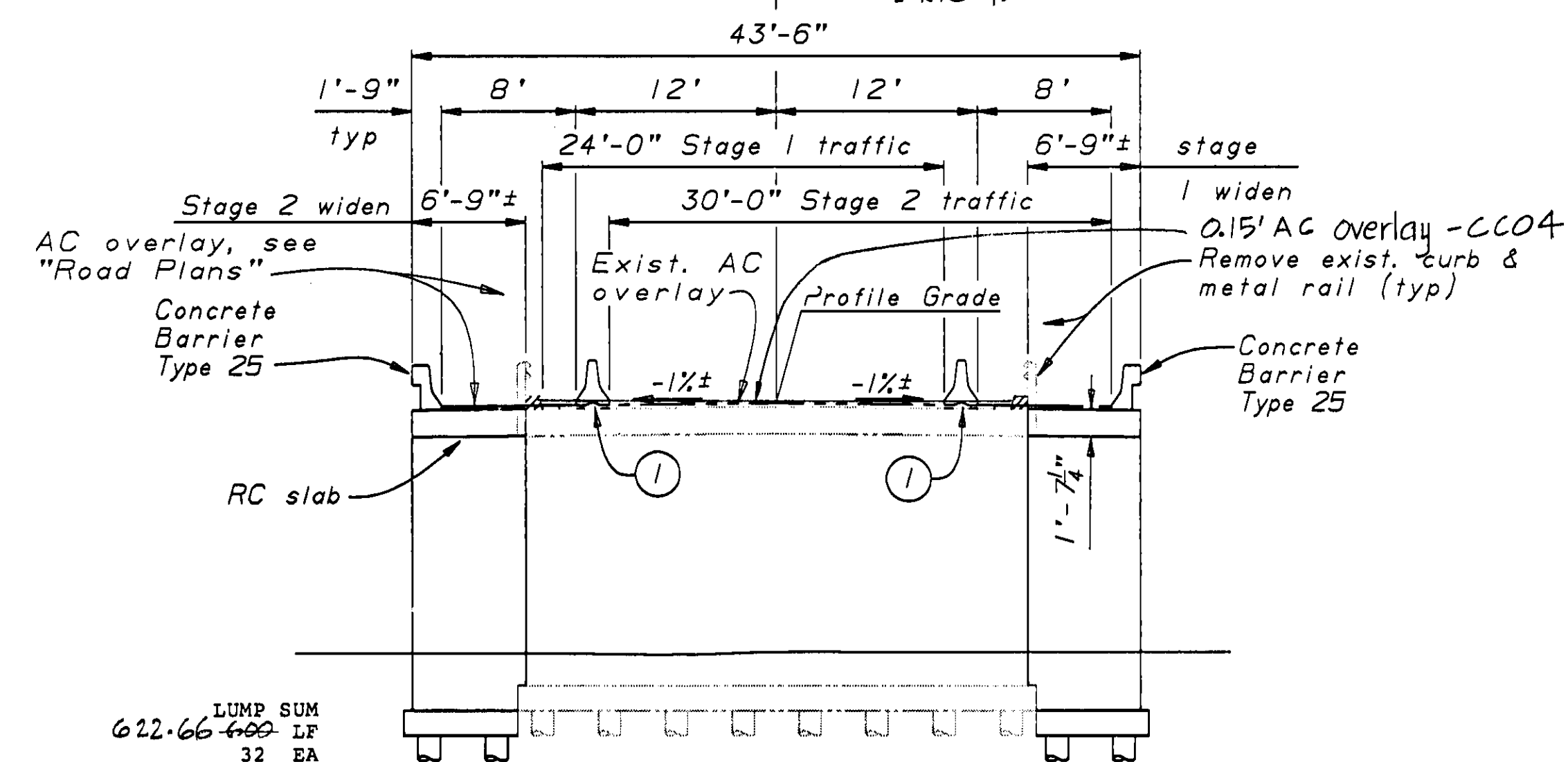
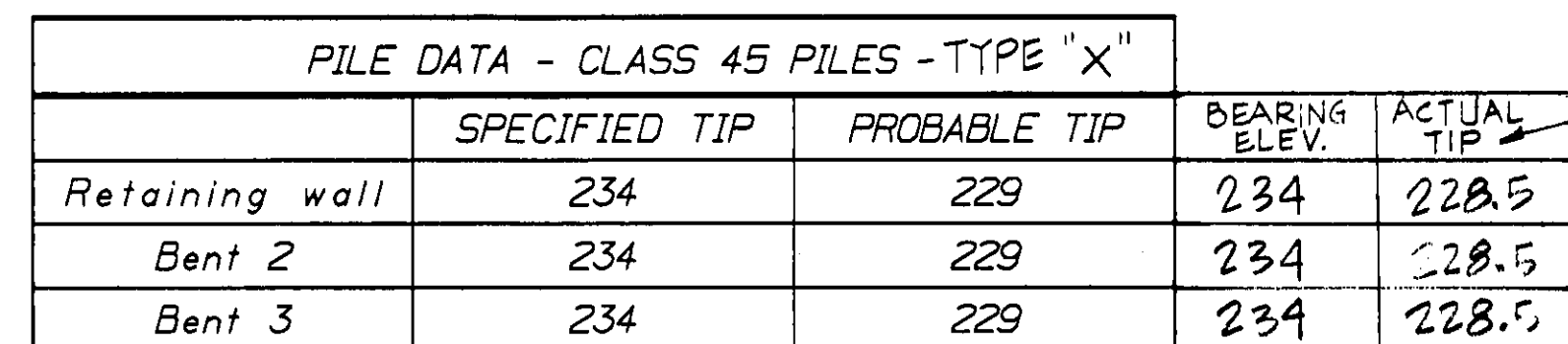
SHEET	OF
6	7

Ken Kwong
REGISTERED ENGINEER - CIVIL

3-11-91

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Ken Kwong
No. 34942
Exp. 9-30-91
CIVIL
STATE OF CALIFORNIA


$$\frac{1}{100}'' = 1'-0''$$

 Indicates Concrete Removal

- ① Temporary railing Type K, see "Road Plans".
- ② Paint bridge name and number.
- ③ Metal beam guard rail, see "Road Plans".

AS BUILT
CORRECTIONS BY WAYNE WALKER
CONTRACT NO. 06-343554
DATE 1-21-92

INDEX TO PLANS

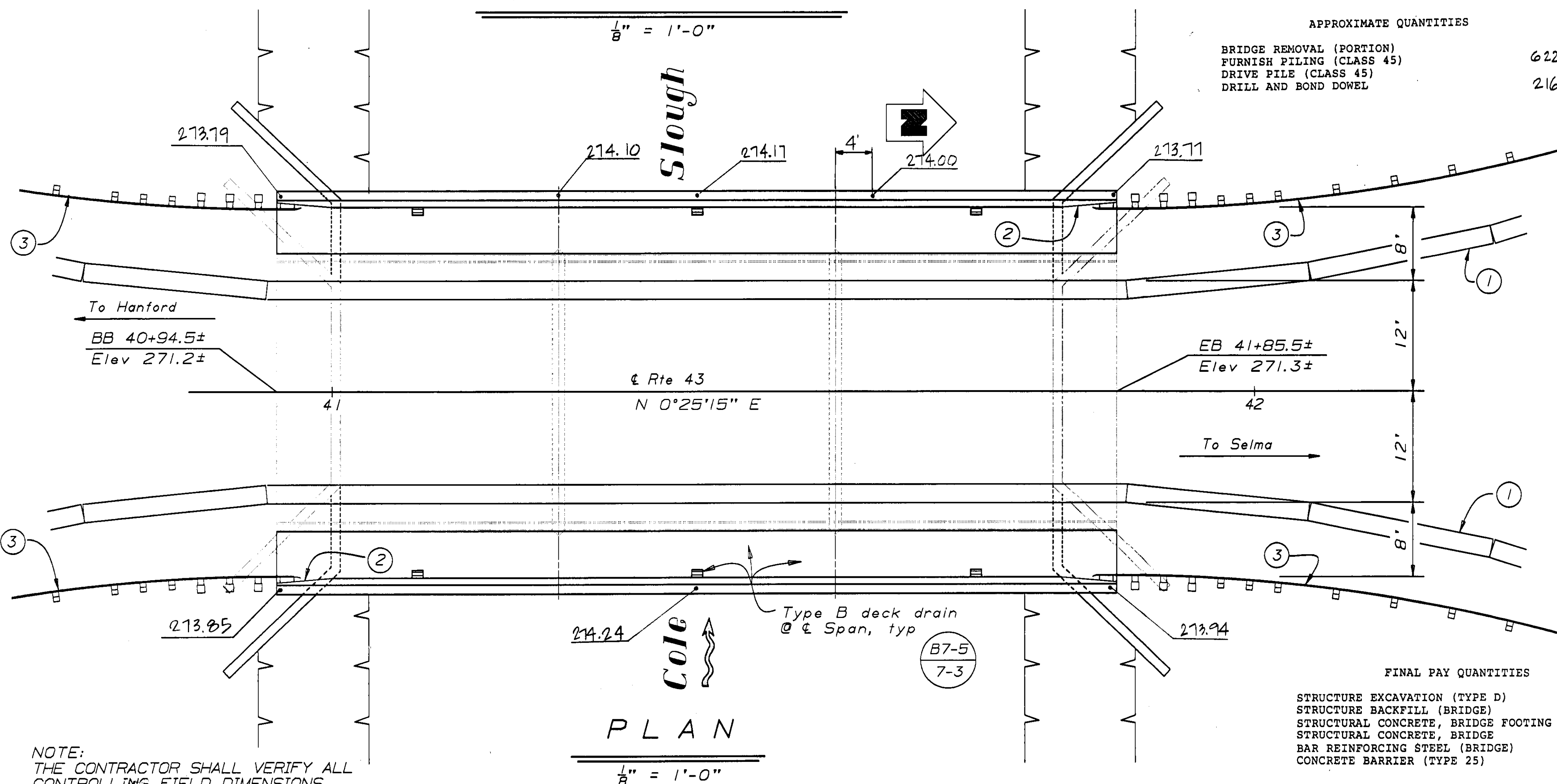
SHEET NO	TITLE
1	GENERAL PLAN
2	FOUNDATION PLAN
3	ABUTMENT DETAILS
4	PIER DETAILS
5	TYPICAL SECTION
6	MISCELLANEOUS DETAILS
7	LOG OF TEST BORINGS

STANDARD PLANS DATED JANUARY, 1988

A62-B EXCAVATION AND BACKFILL-
BRIDGE SURCHARGE AND WALL
A62-C EXCAVATION AND BACKFILL-
BRIDGE
B0-1 BRIDGE DETAILS
B0-3 BRIDGE DETAILS
B2-5 PILE DETAILS-CLASS 45 & CLASS 70
B3-1 RETAINING WALL TYPE I H=4'-30'
B3-8 RETAINING WALL DETAILS NO.1
B7-5 DECK DRAINS
B11-30 TEMPORARY RAILING (TYPE K)
B11-53 CONCRETE BARRIER TYPE 25



Standard Plan Sheet No.
Detail No.



NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

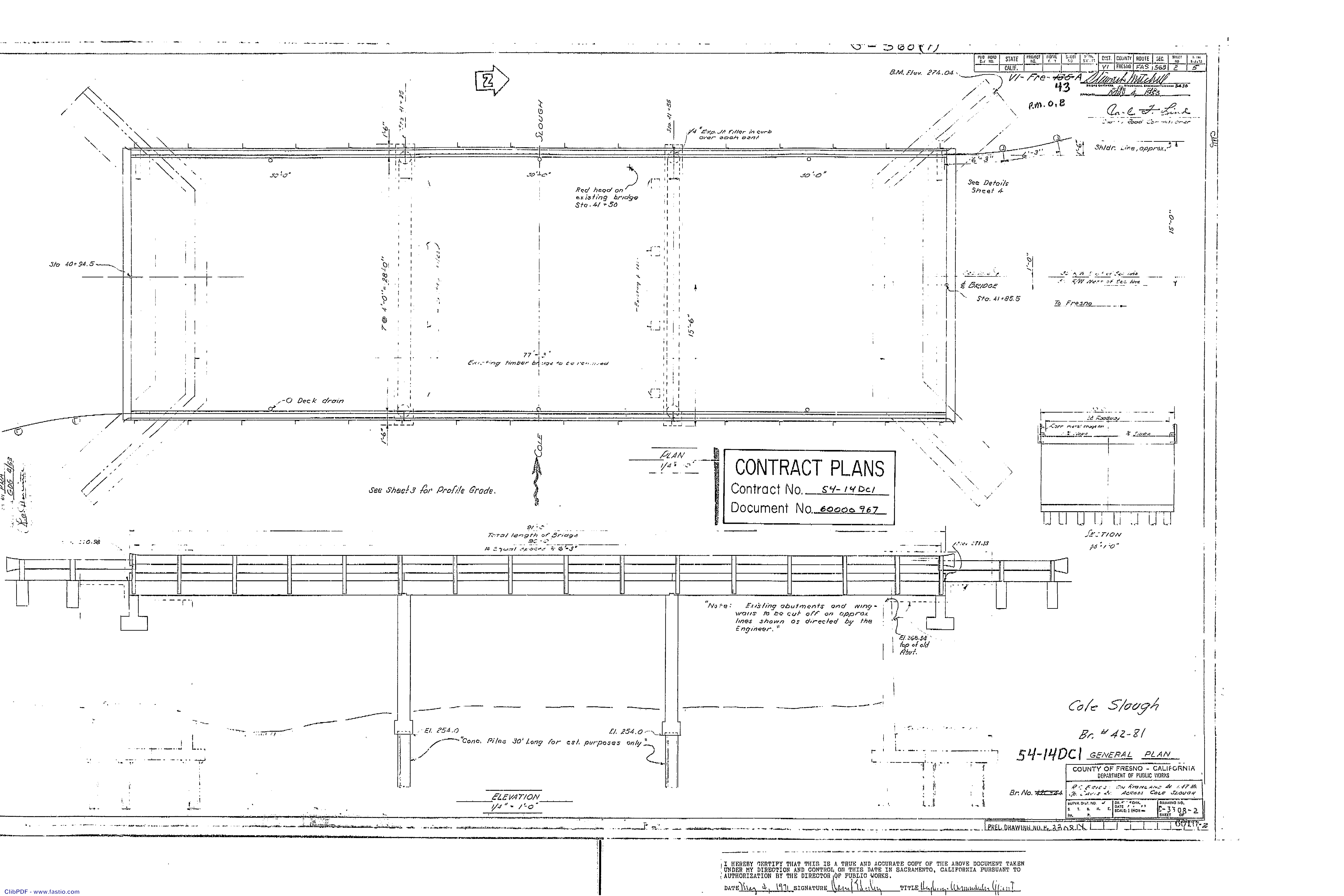
FINAL PAY QUANTITIES

STRUCTURE EXCAVATION (TYPE D)	511	C
STRUCTURE BACKFILL (BRIDGE)	392	C
STRUCTURAL CONCRETE, BRIDGE FOOTING	56	C
STRUCTURAL CONCRETE, BRIDGE	183	C
BAR REINFORCING STEEL (BRIDGE)	21,000	L
CONCRETE BARRIER (TYPE 25)	182	L

* For hydrologic summary see "Foundation Plan" sheet.

For "General Notes", see "Miscellaneous Details" sheet.

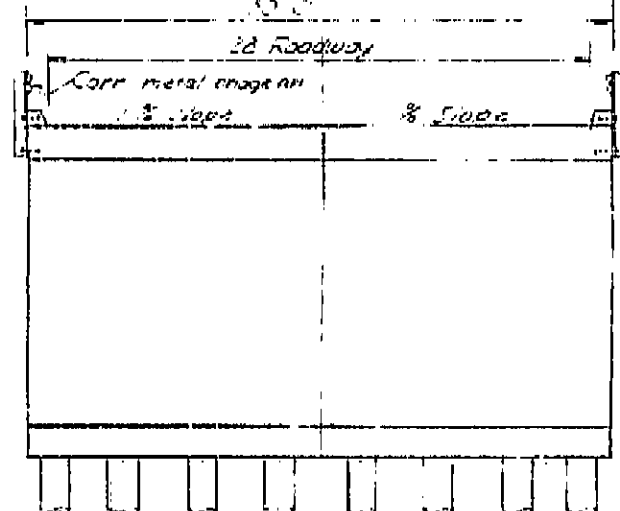
<div>R. A. Rogerson</div> <div>DESIGN ENGINEER</div>	DESIGN	BY <i>D. Dunrud</i>	8-90	CHECKED <i>Ken Kwong</i>	8-90	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<div>STATE OF CALIFORNIA</div> <div>DEPARTMENT OF TRANSPORTATION</div>	<div>DIVISION OF STRUCTURES</div> <div>STRUCTURE DESIGN 12</div>	BRIDGE NO.	42-81	<div>COLE SLOUGH BRIDGE (WIDEN)</div> <div>GENERAL PLAN</div>	
	DETAILS	BY <i>Ken</i>	8-90	CHECKED <i>Ken Kwong</i>	8-90	LAYOUT	BY <i>D. Dunrud</i>			CHECKED <i>Ken Kwong</i>	POST MILE		
	QUANTITIES	BY <i>D. Dunrud</i>		CHECKED <i>F. Cullinan</i>		SPECIFICATIONS	BY <i>D. Dunrud</i>			7%	PLANS AND SPECS COMPARED		0.8
<div>DS OSD 2138 (CADD 4/89)</div>													
<div>ORIGINAL SCALE IN INCHES FOR REDUCED PLANS</div> <div>0 1 2 3</div>													
<div>CU 06</div> <div>EA 343551</div>										<div>DISREGARD PRINTS BEARING EARLIER REVISION DATES</div> <div>→</div> <div>8/24/90 9/1/90 10/1/90 8/12/90 8/18/90 8/19/90 11/18/90 12/7/90</div>			
										<div>SHEET 1 OF 7</div>			



PUB. ROAD E. & H. NO.	STATE CALIF.	PROJECT NO.	FISCAL Y. & Q.	SHEET NO.	SHEET COUNT	DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	SHEET COUNT
VI-1	VI-1	VI-1	VI-1	VI-1	VI-1	VI-1	VI-1	VI-1	VI-1	VI-1	VI-1

VI-1 Fre-155-A
43
P.M.O.B.
C. C. F. Lind
C. C. F. Lind
C. C. F. Lind

CONTRACT PLANS
Contract No. 54-14DC1
Document No. 60000 967



SECTION
1/4" = 1'-0"

Note: Existing abutments and wing-walls to be cut off on approx. lines shown as directed by the Engineer.

ELEVATION
1/4" = 1'-0"

Cole Slough
Br. # 42-81
54-14DC1 GENERAL PLAN

COUNTY OF FRESNO - CALIFORNIA DEPARTMENT OF PUBLIC WORKS	REVISIONS: ON KIRKLAND M. 11/7/11 B. C. 11/7/11
SHEET NO. 1 OF 1	DRAWING NO. C-3708-2

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE May 4, 1971 SIGNATURE [Signature] TITLE [Title]

S-568 (7)

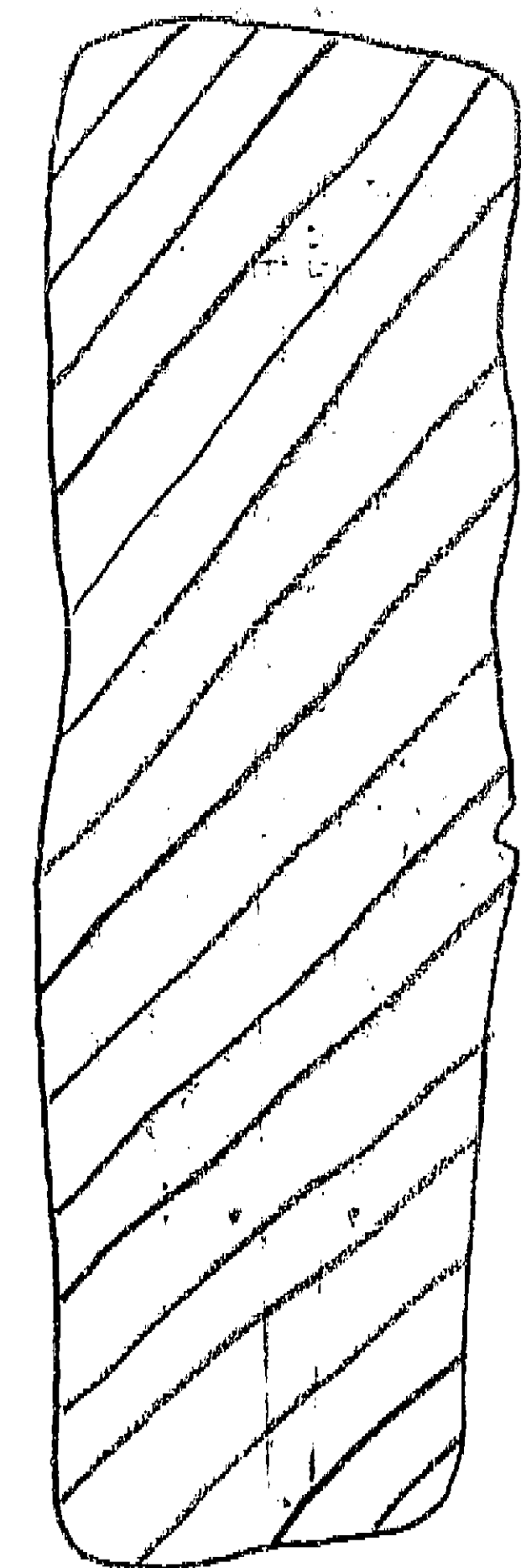
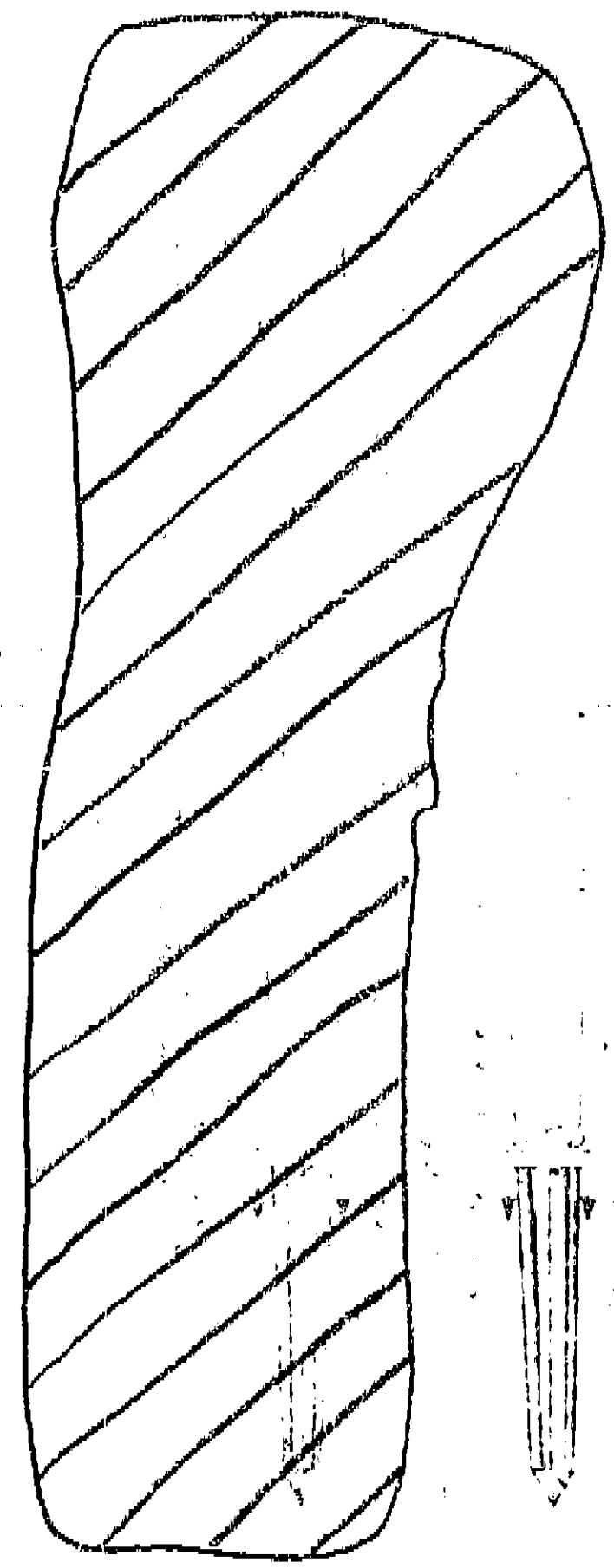
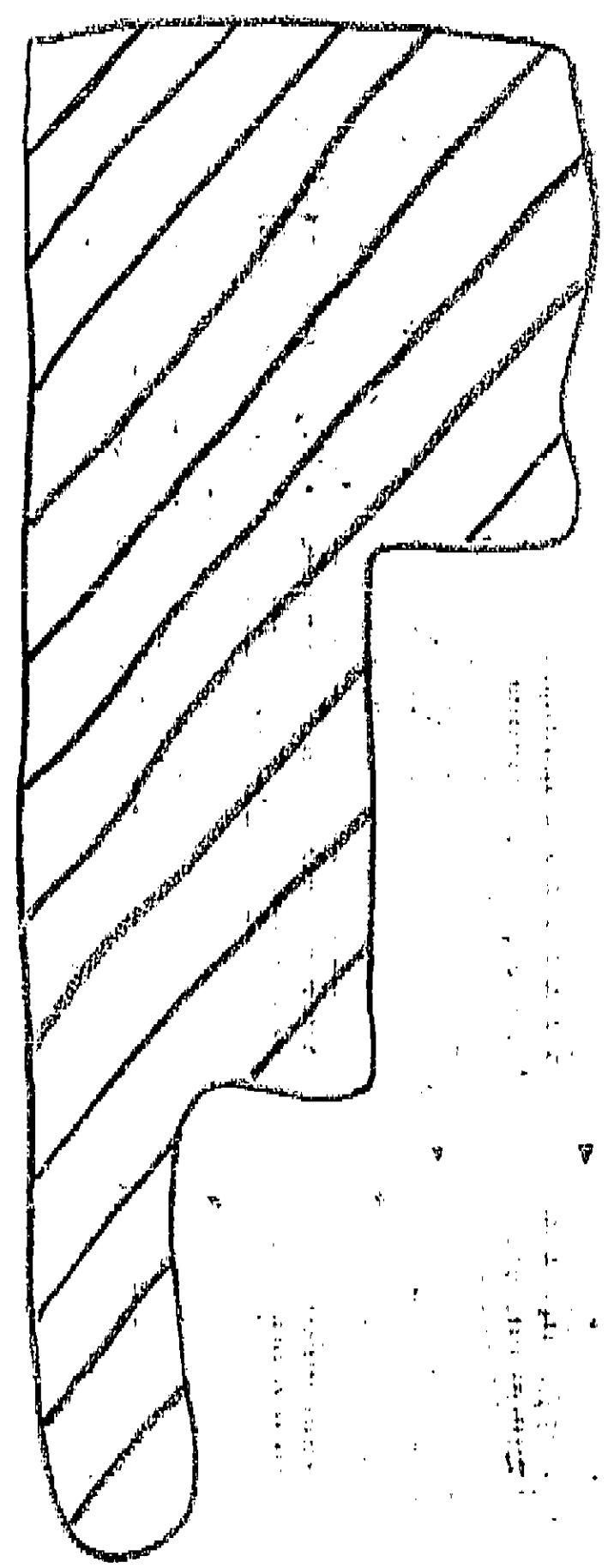
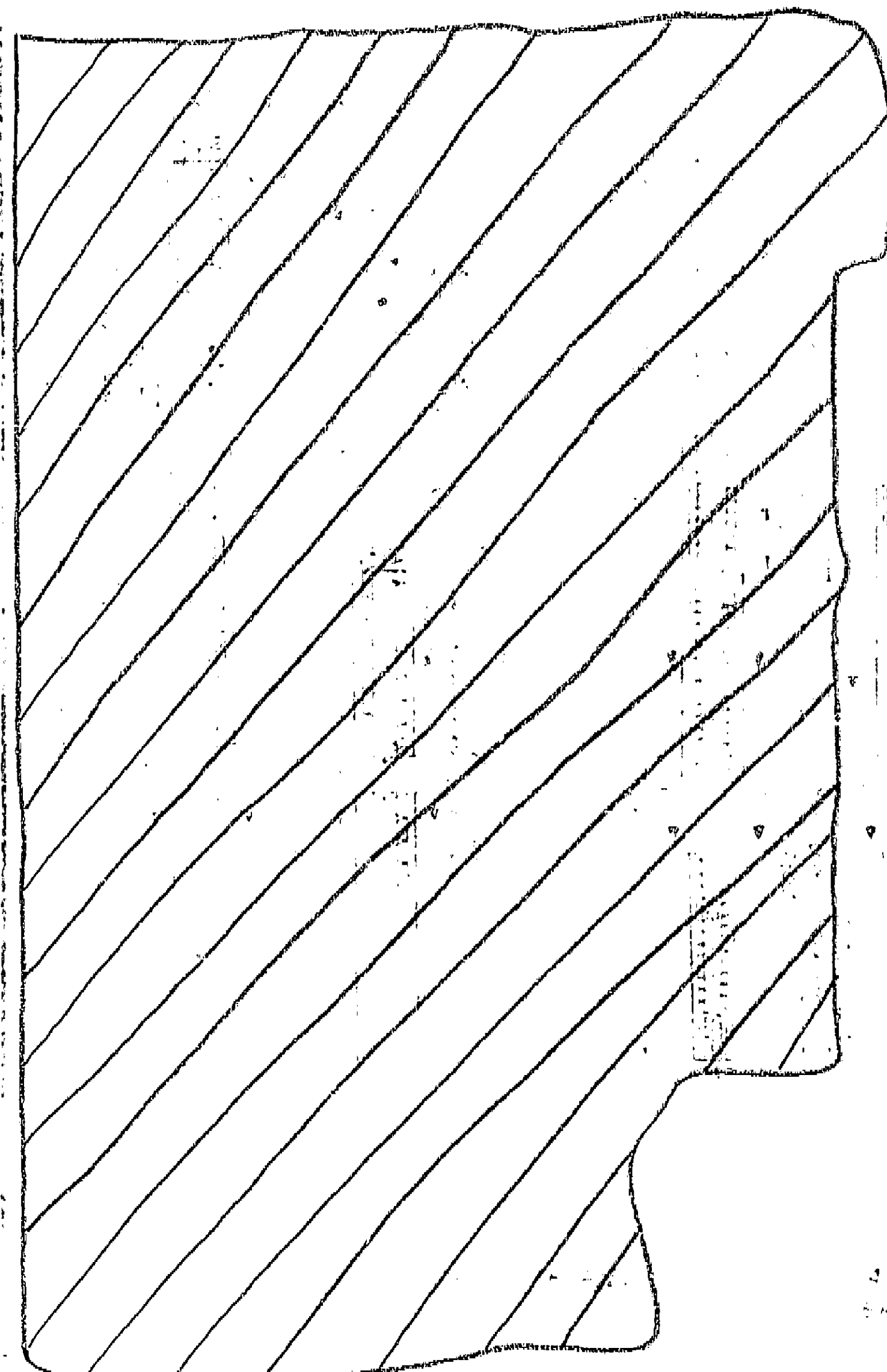
DIST. NO.	STATION	TRIM NO.	YEAR	NO.	SHEET
7	CAL.		42		

VI-Fre-435-A

DIST.	COUNTY	ROUTE	SECTION	PIECE NO.	TOTAL PILES
VI	Fps	FAS	365	5	5

Stewart Mitchell

DATE APPROVED: May 4, 1953



CONTRACT PLANS
Contract No. 54-14Dc1
Document No. 60006967

Br # 42-81

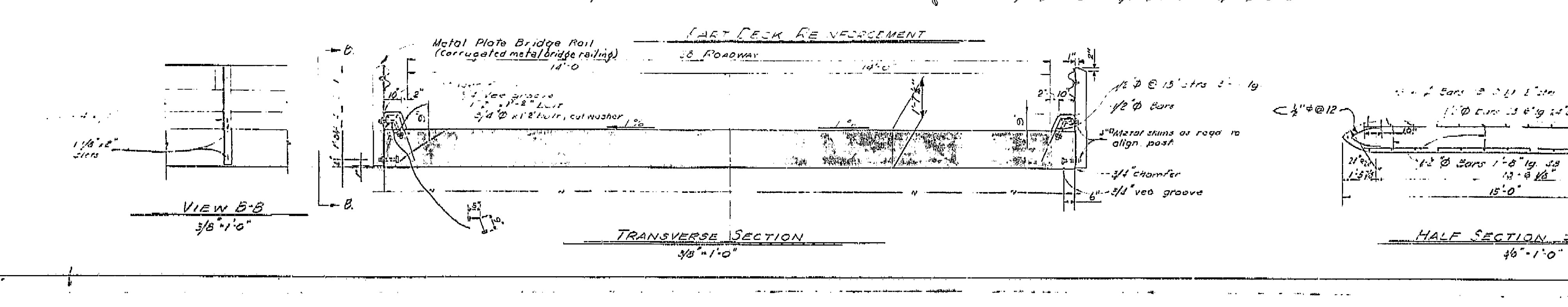
BRIDGE ACROSS COLE SLOUGH

PILE DETAILS

Drawn: 0-3308-5
6016-5

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE May 4, 1971 SIGNATURE [Signature] TITLE Engineering Administration Officer

[illegible]

DATE May 4, 1971 SIGNATURE Rayn Thelen TITLE Deputy Administrator (Gen'l)

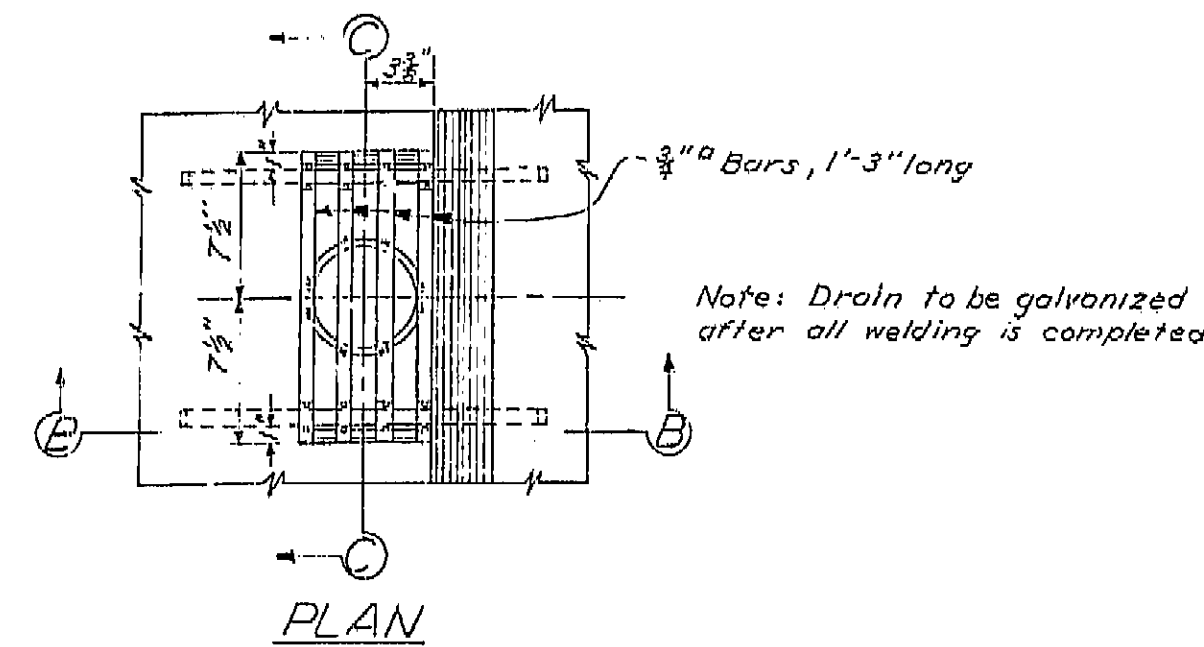
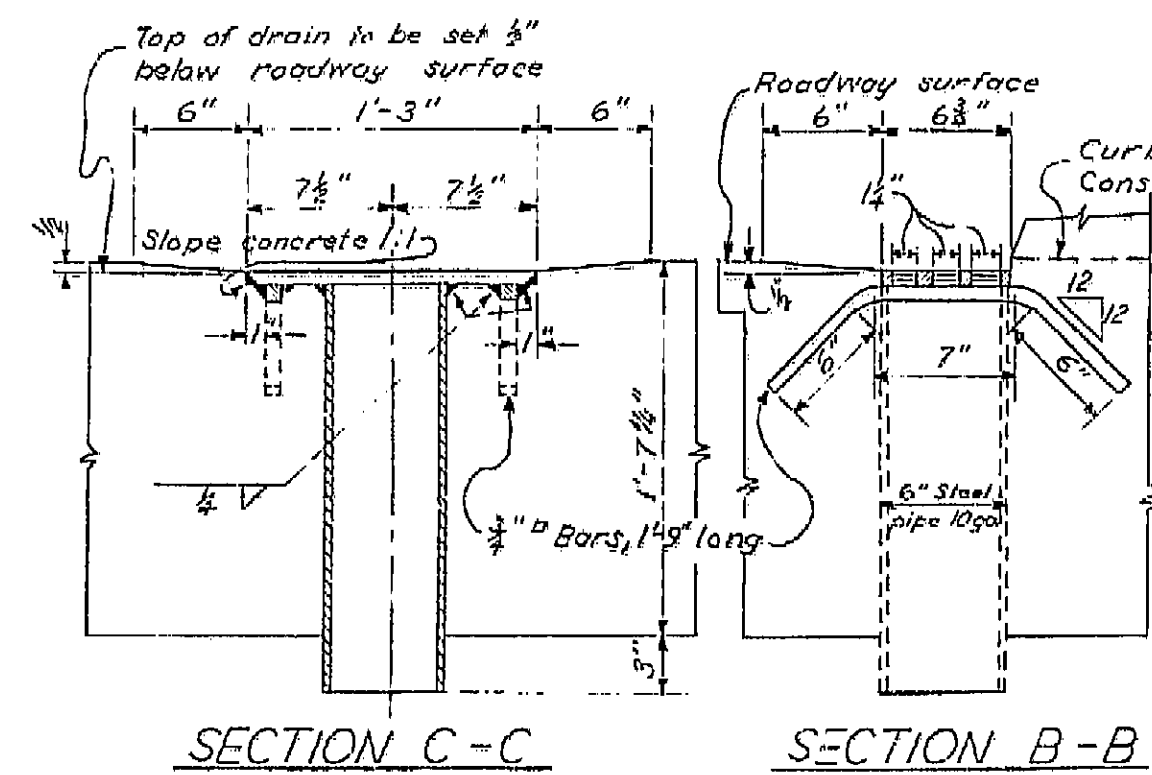
S-568 (7)

DATE	DESIGN	REVISED	SECTION	BY	DATE
VI	Fres.	FAS	568	4	5

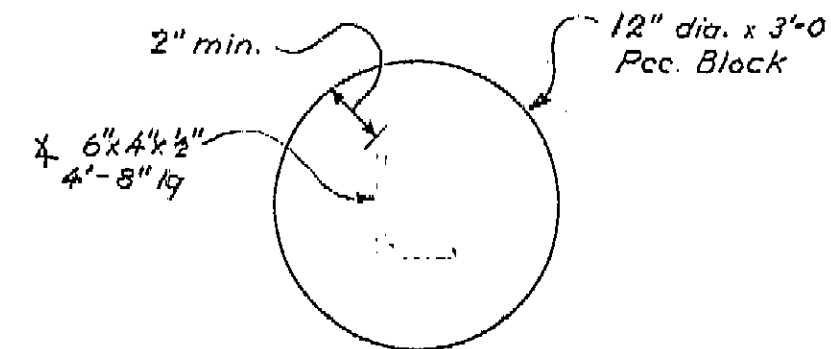
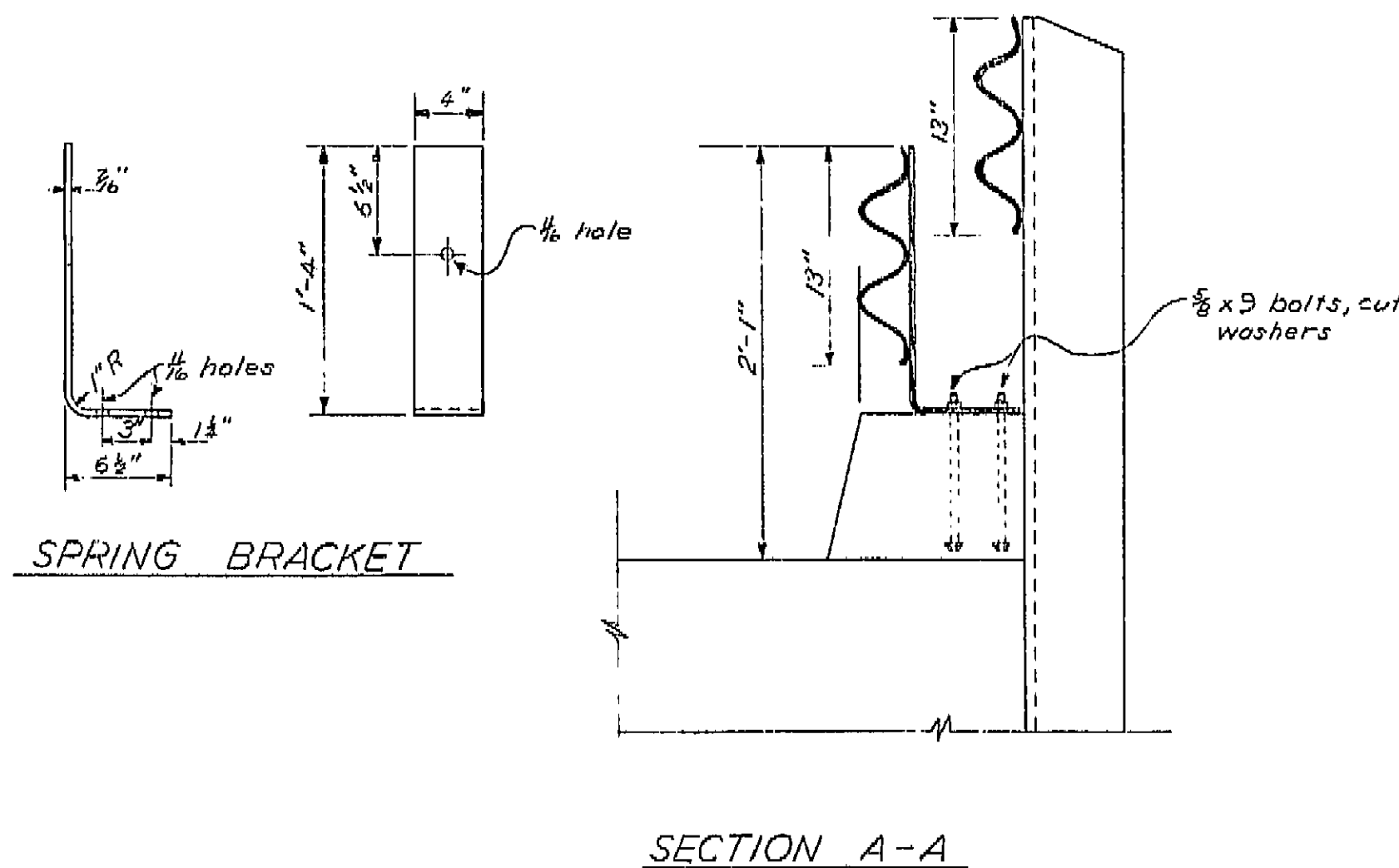
VII - Fre - 195 - 4
43

REV. NO.	STATE	PROJ. NO.	SECTION	SHEET NO.	TOTAL SHEETS
7	CAL.				

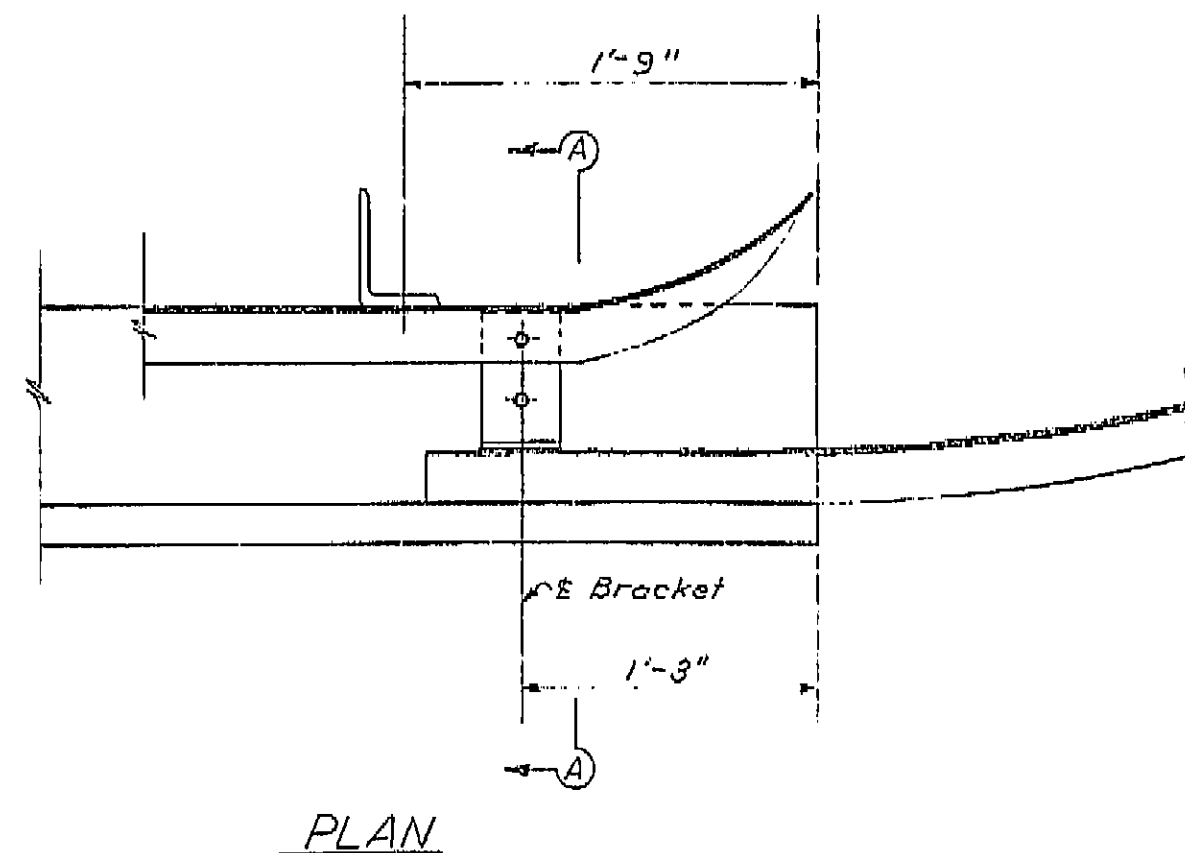
APPROVED: *James H. Smith*
May 4, 1953



DRAIN DETAIL - 6 REQUIRED
Scale: 1 1/2" = 1'-0"



SECTION POST BLOCK ON APPROACHES
4 required



METAL PLATE BRIDGE RAIL AT BRIDGE END
Scale: 1 1/2" = 1'-0"
(Corrugated metal bridge railing)

CONTRACT PLANS

Contract No. S4-14DC1
Document No. 60000 967

GENERAL NOTES

Specifications:
Design: A.A.S.H.O. dated 1949 with subsequent revisions and Bridge Department Supplement dated 1949.

Construction: Standard Specifications, Division of Highways, dated January 1949 and the Special Provisions.

Live Loading: H 20 - S16 - 44

Unit Stress:
Reinforced Concrete: $f_s = 20,000$ p.s.i., $f_c = 1000$ p.s.i., $n = 10$
Structural Steel: $f_s = 18,000$ p.s.i.

Pile Loading: 32 tons. Type: Concrete

Reinforcement: Embedment is clear to outside of bar and is 2" to main reinforcement, except as noted. Hooks shall conform to the Manual of Standard Practice, A.C.I. Backing for hooks is four diameters, except as noted. Bar areas are based on rounds for less than 1" and squares for over 1".
Bar deformations shall conform to ASTM A305-49.
Where reinforcing bars are spliced they shall have a 20 diameter lap unless otherwise called for on the plans.

Details of the date form for the year constructed will be furnished on request.

Cole Slough
Br. #42-81

MISCELLANEOUS DETAILS

COUNTY OF FRESNO - CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

BRIDGE ACROSS COLE SLOUGH

SUPR. DIST. NO. 4 SCALE: As Shown DRAWING NO. C-3308-4

Br. No. 42-81

PREP. DRAWING NO. 233A

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE Aug 4, 1971 SIGNATURE James H. Smith TITLE Engineering Officer